ABSTRACT

A cationic polymerization type composition which is rapidly cured in air, is good in film forming properties, can be made thick in thickness, is excellent in transparency of a film after curing, reduces a residual stress at the time of curing, has high adhesion, and can impart characteristics such as high surface hardness, abrasion resistance, ultraviolet light shielding properties, heat ray shielding properties, electrical conductivity, and antifungal properties is provided.

It has been found that a cationic polymerization type composition including (A) component: a monofunctional oxetane compound containing one oxetanyl group in the molecule thereof, (B) component: a compound containing two or more cationic ring-opening polymerizable cyclic ether residues in the molecule thereof, (C) component: a cationic polymerization initiator having latency, and (D) component: a metal oxide fine particle having a particle size of from 1 to 1,000 nm exhibits good curing properties upon irradiation with active energy rays in air; that the resulting coating film is low in residual stress in a cured film and excellent in adhesion; and that the component (D) is stably dispersed, whereby characteristics

such as high surface hardness, abrasion resistance, ultraviolet light shielding properties, heat ray shielding properties, electrical conductivity, and antifungal properties can be imparted, leading to accomplishment of the invention.